Amendment Dated: March 10, 2010

Reply to Office Action mailed December 10, 2009

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1 1. (Previously presented) A schema generator, comprising: 2 a computer readable storage medium; 3 computer software stored on the computer readable storage medium and operable 4 to: 5 parse a plurality of transaction definitions for a software system, wherein 6 each transaction definition comprises one or more parameters; and 7 generate, in response to parsing the plurality of transaction definitions, a 8 plurality of schema definitions for at least a portion of the parsed transaction definitions. 9 wherein the schema definitions are written in a self-describing language; 10 wherein a first schema definition is operable to map the one or more parameters 11 associated with a first transaction definition to a first document written in the self-12 describing language; and 13 wherein a second schema definition is operable to map a second document written 14 in the self-describing language to the one or more parameters associated with a second 15 transaction definition,
- 2. (Previously presented) The schema generator of Claim 1, wherein the
 self-describing language comprises Extensible Markup Language (XML) or any version
 thereof.
- 3. (Previously presented) The schema generator of Claim 1, wherein the
 self-describing language comprises HyperText Markup Language (HTML) or any
 version thereof.

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- 4. (Original) The schema generator of Claim 1, wherein the self-describing
 language comprises a language that employs hypertext.
- 1 5. (Previously presented) The schema generator of Claim 1, wherein the software system comprises an Information Management System (IMS).
- 1 6. (Original) The schema generator of Claim 1, wherein the transaction 2 definitions are associated with a message format service.
- 7. (Previously presented) The schema generator of Claim 6, wherein the self-describing language comprises Extensible Markup Language (XML) or any version thereof.
- 1 8. (Currently Amended) A method for generating a plurality of schema 2 definitions, comprising:
- parsing, in a computer, a plurality of transaction definitions for a software system,
 wherein each transaction definition comprises one or more parameters; and
- generating, by the computer, in response to parsing the plurality of transaction
 definitions, a plurality of schema definitions for at least of portion of the parsed
 transaction definitions, wherein the schema definitions are written in a self-describing
 language;
 - wherein a first schema definition is operable to map the one or more parameters associated with a first transaction definition to a first document written in the selfdescribing language; and
- wherein a second schema definition is operable to map a second document written
 in the self-describing language to the one or more parameters associated with a second
 transaction definition.
- 9. (Previously presented) The method of Claim 8, wherein the selfdescribing language comprises Extensible Markup Language (XML) or any version thereof.

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1 10. (Previously presented) The method of Claim 8, wherein the self-

2 describing language comprises HyperText Markup Language (HTML) or any version

3 thereof.

1 11. (Original) The method of Claim 8, wherein the transaction definitions are

2 associated with a message format service.

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1 12. (Currently Amended) A transaction processing system comprising: 2 a computer readable storage medium to store first and second schema definitions 3 generated based on transaction definitions of transactions at a target system, wherein the 4 first schema definition is to map one or more parameters associated with a first of the 5 transaction definitions to a document written in a self-describing language, and wherein 6 the second schema definition is to map a document written in the self-describing 7 language into one or more parameters associated with a second of the transaction 8 definitions; 9 one or more processing units operable to execute:processors; 10 a software service operable executable on the one or more processors to receive a 11 transaction request from a requestor and to generate a first object associated with the 12 transaction request; an object generator operable executable on the one or more processors to convert 13 14 the first object into a first document written in [[al]the self-describing language; and 15 a document generator operable executable on the one or more processors to 16 convert the first document into a first transaction message according to [[a]]the first 17 schema definition associated with a first transaction type determinable from the first 18 document, wherein the first transaction message is to be sent to the target system; 19 wherein the document generator is executable to further receive, from the target 20 system, a response message that is responsive to the first transaction message, and 21 convert the response message into a second document according to the second schema 22 definition, wherein the second document is written in the self-describing language; 23 wherein the object generator is executable to further generate a second object 24 from the second document; and 25 wherein the software service is executable to use the second object to provide, to 26 the requestor, data responsive to the transaction request.

 (Previously presented) The transaction processing system of Claim 12, wherein the self-describing language comprises Extensible Markup Language (XML) or any version thereof.

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1 14. (Previously presented) The transaction processing system of Claim 12, 2 wherein the self-describing language comprises HyperText Markup Language (HTML) 3 or any version thereof.

- 1 15. (Currently Amended) The transaction processing system of Claim 12,
 wherein the transaction generator is further operable-executable to send the first
 transaction message to a message format service to convert the first transaction message
 into a format used by the target system.
- 1 16.-20. (Cancelled)
- 1 21. (Original) The transaction processing system of Claim 12, wherein the 2 software service comprises a web service and wherein the definition of the first object has 3 been published in a registry.

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1	22. (Currently Amended) A method for processing a transaction, comprising:
2	storing first and second schema definitions generated based on transaction
3	definitions of transactions at a target system, wherein the first schema definition is to map
4	one or more parameters associated with a first of the transaction definitions to a
5	document written in a self-describing language, and wherein the second schema
6	definition is to map a document written in the self-describing language into one or more
7	parameters associated with a second of the transaction definitions;
8	receiving, by a computer, a transaction request from a requestor;
9	generating, by the computer, a first object associated with the transaction request;
10	converting, by the computer, the first object into a first document written in
11	[[a]]the self-describing language; [[and]]
12	converting the first document into a first transaction message according to [[a]]the
13	$\underline{\text{first}} \ \text{schema} \ \underline{\text{definition}} \ \text{associated with a first transaction type determinable from the first}$
14	document;
15	sending the first transaction message to the target system;
16	receiving, from the target system, a response message that is responsive to the
17	first transaction message;
18	converting the response message into a second document according to the second
19	schema definition, wherein the second document is written in the self-describing
20	language;
21	generating a second object from the second document; and
22	using the second object to provide, to the requestor, data responsive to the
23	transaction request.
1	23. (Previously presented) The method of Claim 22, wherein the self-
2	describing language comprises Extensible Markup Language (XML) or any version
3	thereof.

 (Previously presented) The method of Claim 22, wherein the selfdescribing language comprises HyperText Markup Language (HTML) or any version thereof.

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1 25. (Currently Amended) The method of Claim 22, further comprising:

2 sending the first transaction message to a message format service to convert the

3 first transaction message into a format used by the target system.

1 26.-29, (Cancelled)

1 30. (Original) The method of Claim 22, wherein the first object is generated

2 by a web service and wherein the definition of the first object has been published in a

3 registry.